OSD LIGHTWEIGHT

User Manual

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1. INTRODUCTION

THANK YOU FOR CHOOSING OSD LIGHTWEIGHT WHEELCHAIR.
IT HAS BEEN DESIGNED TO OFFER THE MAXIMUM COMFORT AND SAFETY AND IS SUITABLE FOR BOTH INDOOR AND OUTDOOR USE.

THIS PRODUCT CONFORMS TO THE REQUIREMENTS OF THE EUROPEAN DIRECTIVE 93/42/CEE CONCERNING MEDICAL DEVICES.

THIS PRODUCT CONFORMS TO THE AUSTRALIAN STANDARDS AS 3695.

PLEASE READ THIS MANUAL VERY CAREFULLY FOR A SAFE AND CORRECT USE OF YOUR WHEELCHAIR.

The OSD Lightweight Wheelchair is manufactured according tothe highest standards and in conformity with the CE Directive.

OSD LIGHTWEIGHT FEATURES

Foldable aluminium frame.
Rear wheels 600mm w/aluminium handrims and quick release.
Padded flip-up armrests.
Reinforced tension adjustable backrest, in washable fabric.
Seperate removable and height adjustable legrests.
Heel straps.
Adjustable plate for amputees.
Weight: from 15-17.5kg according to the configuration.

OPTIONS

Elevating Legrests
Stump Supports

SIZES

Seat Width 14” (cm 36)
Seat Width 16” (cm 40).
Seat Width 18” (cm 45).
Seat Width 20” (cm 50).

2. SAFETY INSTRUCTIONS

Please inspect your wheelchair before use, checking all components and making sure it is properly adjusted. If you have not used your wheelchair for a long time, please verify if it needs any maintenance before using again.
It is also necessary for you to periodically check all the parts which can be affected by wear and tear (tyres, brakes, seat sling, legrests, etc).
Avoid using the wheelchair with poor light or poor visibility.
For your own safety do not use the wheelchair on uneven surfaces, on sand, mud or snow which might also cause damage to the wheelchair.
Avoid crossing water puddles. Should the wheelchair get wet, dry it as soon as possible.
When approaching an obstacle, for example some steps or a hump, make sure there are no risks involved before proceeding.

3. WARNINGS

MAXIMUM WEIGHT CAPACITY: 100 Kg
NEVER EXCEED THIS WEIGHT LIMIT
Never lift the wheelchair up by using the legrests: use the frame only.
Never step on the footplates as the wheelchair might tip over.
Pay attention to your fingers when folding or opening the wheelchair.
Never use the wheelchair on escalators, even if accompanied by an assistant.
Maintenance and repairs must be carried out only by a qualified technician.

4. MAINTENANCE

- Have the wheelchair checked by a qualified technician at least every two years.
- The nylon seat and backrest upholstery can be removed by simply loosening the screws. They can be washed with a wet sponge and a mild detergent. The metal parts can be cleaned with a car detergent and if necessary with a grease remover.
- Check the tyres condition and their pressure at least twice a month. The recommended pressure is 200 or 250 kilopascals. Never exceed 450 kilopascals
  WARNING: Over inflation of tyres above recomended value as indicated on the tyre may result in damage to the tyre and tube.
- Make sure the rear wheel spokes are not loose. Loosened rear wheel spokes may deform the wheels. If necessary, have the spokes adjusted by a qualified technician.
- Keep the rear wheels axles always as clean as possible.
- Immediately replace the handrims in case they are badly scratched as they might caude damage to your hands.
- Check the brakes on a regular basis. The braking function can be negatively affected by an incorrect tyre pressure as well as by the presence of dirt or fluff.
- Should you have any doubts about the correct functioning of the wheel chair or of any of its components, please do not use it and contact Aidacare.
- The tool kit provided will allow basic adjustments to the wheelchair, for further infomation on repairs and service , refer to 'Repairs & Service' section

Aidacare will not guarantee the safety and the correct functioning of the wheelchair in case any of the original components have been changed and not replaced with original parts. If any faults are detected upon recieving the wheelchair please phone Aidacare to arrange a replacement. Any faults that are detected during normal use should be reported to Aidacare immediately to determine if warranty conditions apply and organise repair and/or replacment as applicable. Replacement units are avaliable on request if covered by warranty.

5. PACKING & SHIPPING

When sending the chair back for service or repair please include all components of the chair like legrest and armrests. Please ensure wheelchair is tagged appropriately with users name. To organise pickup by Aidacare, please call 1300 133 120, standard pickup and delivery charges apply.

6. AUTHORISED SERVICE FACILITIES

Aidacare
45 Tinning Street,
Brunswick, VIC 3057
(03) 9384 1242

Aidacare
Shop 2, 826 David Street
Albury, NSW 2640
(02) 6041 1037

Aidacare
143 Daws Road
St Marys SA 5042
(08) 8374 4499

Aidacare
4 Noonan Road
Ingleburn NSW 2565
(02) 9618 5000

Aidacare
Unit 3, 47 Learoyd Rd
Algester, QLD 4115
(07) 3272 6900

Aidacare
18 Mertonvale Circuit
Kingston TAS 7051
(03) 6229 4733

7. REPAIRS AND SERVICE

For all repairs and service to the wheelchair please contact Aidacare on 1300 133 120 to find your closest store.

8. REPLACEMENT PARTS

Aidacare stock replacment parts for the OSD Lightweight Wheelchair. All replacement of parts should be done by Aidacare repairs service or a qualified technician. These parts include tyres & tubes, brakes, armrests, footrests and upholstery.

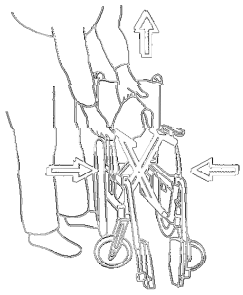
9. TESTING RESULTS

All testing results for the OSD Lightweight Wheelchair are avaliable on request.

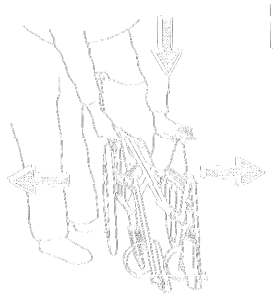
10. USE AND TRANSPORT

<u>How to fold the wheelchair</u>
- Lift the footplates up.
- Lift the seat sling up as in the picture.

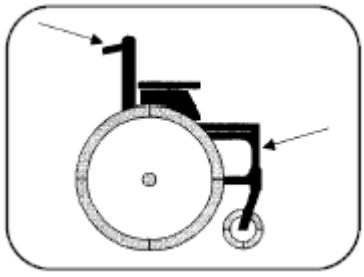
Pay attention to the position of your hands and fingers while carrying out this operation.

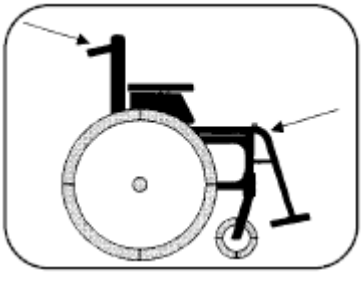


<u>How to open the wheelchair</u>
- Hold the seat and push down one of the seat tubes onto the frame as in the picture. Make sure to remove your hand from the seat tube to prevent it from being caught up.



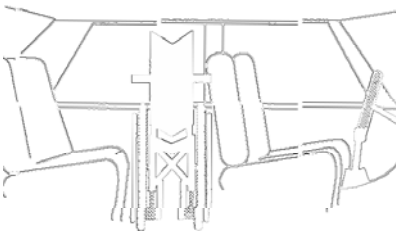
<u>How to lift the wheelchair</u>
- Lift the footplates up.
- Use the push handles and the front part of the frame to lift the wheelchair up.





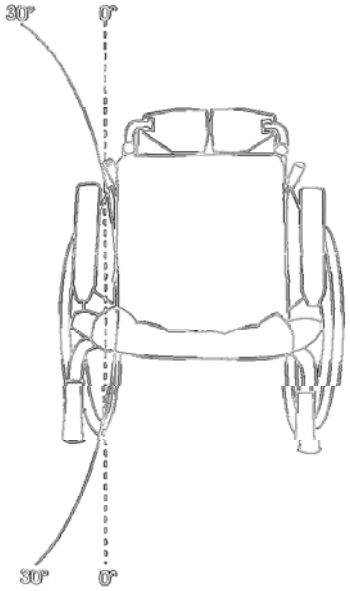
Car/taxi

Place the wheelchair in the boot of the car. Should this not be possible, place the wheelchair between the rear and the front seats in a stable position to prevent it from sliding down or tipping over. If possible, block the wheelchair in place by using the car seat belt.



Minibus

The user must take a seat in one of the minibus seats, while the wheelchair must be blocked in such a way that it cannot tip over or slide.

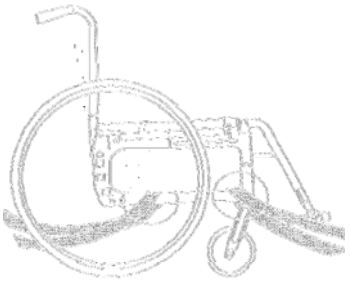


Should the minibus be provided with a special space for wheelchairs users, follow the instructions below:

- for the user's safety, verify that the space on the minibus is equipped with a three point safety belt and a headrest (the wheelchair headrest is not enough).

- the wheelchair must be fixed from the sides, not from the wheels. The fixing belts should be angled between 0° and 30°.

In case of sudden braking, the wheelchair belt (if available) will not guarantee the user's safety nor prevent the user from being thrust forward.



6. DRIVING INSTRUCTION

Introduction

A correct weight distribution will affect the wheelchair performance. The most important factors to take into consideration when adjusting a wheelchair are the user's body shape and weight, the correct posture of the user and the correct position of the rear wheels. The more weight is applied to the rear wheels, the easier it will be for the user to drive the wheelchair. The more weight is applied to the front castors, the more difficult it will be for the user to drive the wheelchair.

If the user is assisted by an attendant, make sure to always put the brakes on before leaving the user alone.

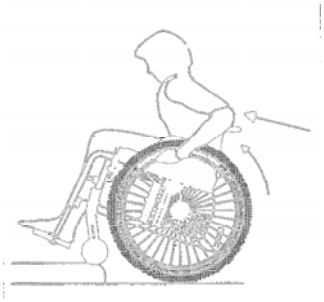
Parking: increase the contact area of the wheelchair by reversing 10 cm with the wheelchair to make sure both castors are facing forward.

Climbing over a pavement

Climbing a pavement forward

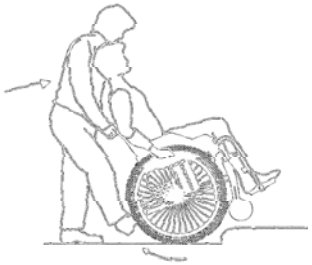
Note: this technique is recommended only for expert wheelchair users.

- Bring the wheelchair close to the pavement curb.
- Balance the wheelchair on the rear wheels in such a way to raise the castors and go over the curb. Push the rear wheels while leaning your body forward.



Climbing forward with an attendant's help

- The attendant must tilt the wheelchair backwards, using also the tilt-lever, to slightly raise the castors over the pavement curb.
- Hold the push handles tightly while the rear wheels climb over the curb.



Climbing a pavement backwards

Note: this technique should be used only if the pavement is low. It is necessary to take into consideration also the footrests height.

- Turn the wheelchair with the rear part facing the pavement curb.
- Push the rear wheels while leaning your body forward.

Climbing backwards with an attendant's help

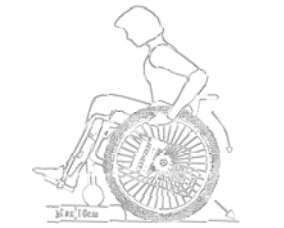
- The attendant must pull the wheelchair back until it touches the pavement curb.
- Then tilt the wheelchair backwards, using also the tilt-lever, to raise the castors off the ground.
- Finally pull the wheelchair up and pull it back. Make sure that all four wheels have climbed over the obstacle, before “lowering” the wheelchair.

Getting off a pavement

Getting off a pavement facing forward

Note: this technique is recommended only for expert wheelchair users.
- Bring the wheelchair close to the pavement curb.
- Balance the wheelchair on the rear wheels in such a way to slightly raise the castors.
- Get slowly off the pavement and then “lower” the castors on the ground.

Getting off forward with an attendant's help
- The attendant must tilt the wheelchair backwards, using also the tilt-lever, to raise the castors off the ground.
- Get off the pavement very slowly and then “lower” the castors on the ground.



Getting off a pavement facing backwards

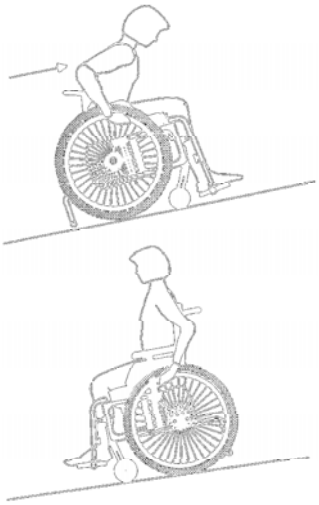
Note: this technique is NOT recommended when the curb is higher than 10 cm.
- Pull back the wheelchair to the pavement curb.
- Pull back slowly and at the same time lean your body forward.

Pay the utmost attention while carrying out this operation to avoid the risk of tipping over.

Getting off backwards with an attendant's help
- Reverse the wheelchair to the pavement curb.
- Get slowly off the pavement and reverse slowly until the castors have cleared the obstacle.
- “Lower” all the wheels on the ground.

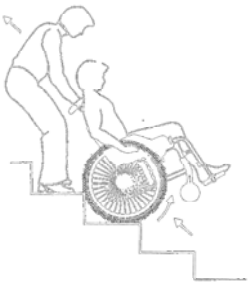
Slopes

Make sure to follow the instructions below, when going up or down a slope, to avoid the risk of tipping over.
Do not change direction while driving up/down a slope.
Push the wheelchair in a straight line when going both uphill or downhill.
If you are in doubt when approaching a gradient, ask someone to help you rather than running unnecessary risks.
Going uphill: lean your body forward to balance the centre of gravity.
Going downhill: lean your body backwards to balance the centre of gravity.
Use the handrims to adjust the speed, do not use the brakes.



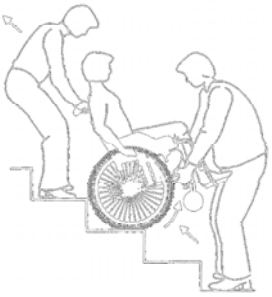
Stairs

Always ask someone to help you.
Never use escalators, neither on your own nor with an attendant.



Going up the stairs facing backwards with an attendant's help

- Pull the wheelchair back to the first step.
- Tilt the wheelchair backwards on the rear wheels, also using the tilt-lever.
- Slowly pull the wheelchair up each step, one step at a time, balancing it on the rear wheels.
- After the last step, pull the wheelchair back and make sure the castors have cleared the obstacle before “lowering” all four wheels on the ground.

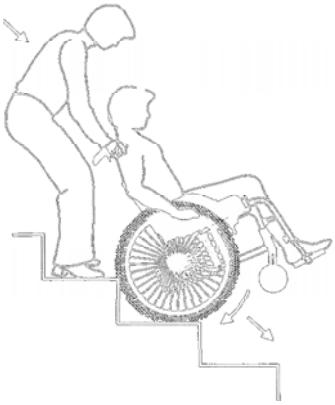


If the wheelchair user is assisted by two people, one person can be of help by lifting the wheelchair from the fixed legrests or by removing the legrests and lifting the wheelchair up from the frame.

The attendants are recommended to carry out these operations by using their leg strength and avoiding to bend or put pressure on their backs.

Stairs

Always ask someone to help you.
Never use escalators, neither on your own nor with an attendant.



Going down the stairs facing forward with an attendant's help

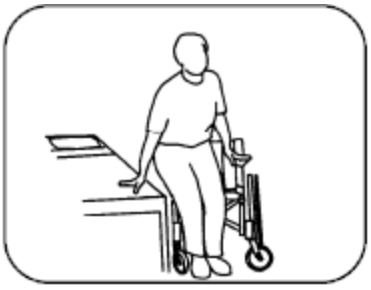
- Push the wheelchair up to the first step.
- Tilt the wheelchair backwards on the rear wheels, also using the tilt-lever.
- Go down each step very slowly, keeping the wheelchair balanced on the rear wheels.
- After the last step, “lower” all four wheels on the ground.

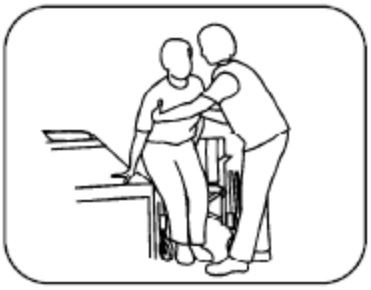
If the wheelchair user is assisted by two people, one person can be of help by lifting the wheelchair from the lockable legrests or, should these not be available, by removing the legrests and lifting the wheelchair up from the frame.

The attendants are recommended to carry out these operations by using their leg strength and avoiding to bend or put pressure on their backs.

Transfers

The transfer techniques should be practised by the wheelchair user under the guidance of qualified professionals. Following are some important recommendations.





Transferring from the wheelchair to the bed

With or without attendant, end user facing forward.
Before the transfer:

- Bring the wheelchair close to the bed and push the wheelchair 5-10 cm back to make sure both castors are facing forward.
- Lock the brakes, lift the armrest/side guard up and swing away or remove the legrest which are on the side close to the bed.

Transferring from the bed to the wheelchair

With or without attendant, end user facing forward.
Before the transfer:

- Bring the wheelchair close to the bed and push the wheelchair 5-10 cm back to make sure both castors are facing forward.
- Lock the brakes and lift the legrests up.

Do not step on the footplates, as the wheelchair might tip over.

The attendants are recommended to carry out this operation by using their leg strength and avoiding to bend or put pressure on their backs.

Rear Wheels with Handrims
OSD Lightweight wheelchair is equipped with aluminium handrims.
The material and the distance between the handrims and the rear wheels can influence the user's gripping capacity.

- Be aware not to hurt your fingers when going through narrow corridors or to get your finger caught.
- To avoid this risk, the use of a spoke guard is recommended.

11. TROUBLESHOOTING

The wheelchair tends to go on one side
- Inflate the tyres
- Make sure the rear wheels axle pins have been inserted correctly
- Make sure the end user is able to evenly distribute his/her weight on the wheelchair
- Make sure one handrim has not been mounted more tightly than the other one

The wheelchair moves slowly
- Inflate the tyres
- Make sure the rear wheels axle pins have been inserted correctly
- Remove any hair or dirt from the castor axles
- make sure there is not too much weight applied to the castors, otherwise adjust the centre of gravity

The wheelchair does not turn smoothly
- Inflate the tyres
- Make sure the front fork pins are not too tight
- Remove any hair or dirt from the castor axles

The brakes do not work properly
- Inflate the tyres
- Adjust the distance between tyres and brakes

The wheelchair cannot be opened or folded easily
- The upholstery is too tight
- Clean the crossbar under the seat and apply some grease

The wheelchair is unstable
- Inflate the tyres
- Make sure that all the screws on the wheelchair are tight correctly

These problems could also be caused by an incorrect adjustment of the wheelchair for the user.
Should any problem continue, make sure to contact the authorized assistance centre.

12. WARRANTY

OSD Standard Lightweight wheelchair has a warranty of 2 years.
Please make sure to keep the purchase invoice.

13. CUSTOM MODIFICATIONS

All wheelchair modifications or alterations made by the end users which do not conform with the specifications set forth in this Manual will be considered as "custom" changes.
"Customized" wheelchairs will not comply with the CE regulations and consequently they will not be covered by warranty.

14. ADDITIONAL INFOMATION

For further infomation or any queries on this product please call Aidacare on 1300 133 120 to speak to a customer service representitive.

15. TECHNICAL FEATURES

OSD LIGHTWEIGHT

Foldable aluminium frame.
Rear wheels 600mm w/aluminium handrims and quick release.
Drum brakes for the attendant.
Padded flip-up long or desk armrests.
Reinforced tension adjustable backrest, in washable fabric.
Seperate removable and height adjustable legrests.
Heel straps.
Adjustable plate for amputees.
Weight: from 15-17.5kg according to the configuration.

OPTIONS

Elevating Legrests.
Stump Supports

SIZES

Seat Width 14" (cm 36)
Seat Width 16" (cm 40).
Seat Width 18" (cm 45).
Seat Width 20" (cm 50).

Distributed by:

aidacare
Healthcare Equipment Solutions

www.aidacare.com.au
1300 133 120